

SOUTH FORK POWDER RIVER BRIDGE
6.9 mi. S. of Kaycee ^{WYOMING HISTORIC TRUSS BRIDGE SURVEY}
West Service Road of I-25
Johnson County
Wyoming

56
HAER NO. WY-~~17B~~

HAER
WYO,
10-KAY.V,
1-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
National Park Service
Rocky Mountain Regional Office
Department of the Interior
P. O. Box 25287
Denver, Colorado 80225

HISTORIC AMERICAN ENGINEERING RECORD

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South Fork Powder River Bridge

HAER No. WY-⁵⁶~~17-3~~

Location: Spanning the South Fork Powder River, on West Service Road of I-25, 6.9 miles south of Kaycee, in Johnson County, Wyoming

UTM: 13.372815.4830690
Quad: Johnson Wall Creek

Date of Construction: 1931-32

Present Owner: Wyoming State Highway Department
P. O. Box 1708
Cheyenne, Wyoming 82002-9019

Present Use: Roadway Bridge; Vehicular Traffic

Significance: The South Fork Powder River Bridge is one of Wyoming's spectacular vehicular bridges. It is the only large cantilevered bridge in the State and, as such, is one of its most important highway trusses.

Researchers: Clayton B. Fraser and Richard E. Ewig
November 1981

~~NOTE: For more general historical and technological information, see~~
~~"WYOMING HISTORIC TRUSS BRIDGES SURVEY, HAER No. WY-17."~~

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I. HISTORY

The Omaha Steel Works of Omaha, Nebraska, built this bridge in 1931-32, under contract with the Wyoming Highway Department.¹ Erected at a time when the large interstate-type highway cantilever trusses were appearing across the country, this three-span Pratt truss is Wyoming's only large cantilever bridge.²

II. DESCRIPTION

The South Fork Powder River Bridge is a three-span, steel rigid connected cantilevered Pratt Deck truss with pin connections between cantilever and approach spans. It is a 306 foot, 10 inch steel deck truss. The roadway is steel stringers with concrete deck and a width of 20 feet.

The abutments are concrete full retaining. Top and bottom chords are two channels with intermittent plates. Verticals and diagonals are wide flanges; guardrail is steel pipe.

FOOTNOTES

¹ Wyoming State Highway Department Commissioners' Minutes, March 17, 1931.
Wyoming State Highway Department, Cheyenne, Wyoming.

² Eighth Biennial Report of the State Highway Commission of the State of Wyoming, October 1, 1930 - September 30, 1932, Cheyenne, Wyoming: Wyoming Labor Journal, 1932.